

ABSTRACT OF THE DISCLOSURE

A method of producing an electrode alloy powder is disclosed, wherein, to provide an electrode alloy powder capable of yielding an alkaline storage battery excellent in high-rate discharge property, self-discharge property and cycle life, a first step of immersing a starting powder comprising a hydrogen storage alloy containing 20 to 70 wt% of Ni in an aqueous solution containing 30 to 80 wt% of sodium hydroxide at a temperature of 90°C or higher and a second step of washing with water the powder which has been subjected to the first step are conducted.